Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_

Algebra 2 Honor Spiral 18 - Review

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| Rational Exponents and Radical Notation  |
| 1. Simplify Completely (no negative exponents):

  | 1. Write each radical as an exponential expression.

   Simplify  |
| Function operations and Inverses |
| Given  and  find each of the following. |
| 1.
 | 1.
 |
| 1. Given the equation, find the inverse relation. Then state if the inverse if a function.
 | 1. Given the graph, sketch the inverse.

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| Radical Functions and Equations |
| 7. Graph each function. Identify its domain and range. Identify end point or point of inflection, and a couple other points on the graph. | 8. Solve each radical equation.   |
| Variation and Graphing Simple Rational Functions |
| 9. The number of absences of student X is directly related to the number of days of school we’ve had. If we have had 110 days of school and student X has been absent 15 times how many times will student X be absent in 180 days?10. z is jointly related to x and y when x = 2, y = 5 and z = 30. What does z equal when x = 5 and y = 12?  | 11. Sketch a graph of each rational function. Identify all important points and asymptotes.

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| x-int | y-int | VA | HA |

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